

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Item of the work: Estimate for Improvements to Roads and Drains at Hegdenagara Cross Roads in I and II Main Roads in Ward No. 06, Hegdenagara Village Limits.

Estimate Cost: 4000000.00

Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 152 / Item No. 19.2 / PWD SR 2013-14	Cum							
	Desilting of Drains								
	5th Cross LHS Hegdenagara		2	230.00	0.60	0.45	124.20		
	6th Crosss Road LHS		2	230.00	0.60	0.45	124.20		
	7th Cross Road LHS		2	230.00	0.60	0.45	124.20		
	6th Crosss Road RHS		2	59.00	0.60	0.45	31.86		
	Berm Cutting								
	5th Cross LHS Hegdenagara		2	230.00	1.20	0.25	138.00		
	6th Crosss Road LHS		2	230.00	1.20	0.25	138.00		
	7th Cross Road LHS		2	230.00	1.20	0.25	138.00		
	6th Crosss Road RHS		2	59.00	1.20	0.25	35.40		
							853.86	90.72	77462.00
	Basic Rate		84.00						
	Area Weightage @8%		6.72						
	Total		90.72						
2	Removing B.S. Slab Drain and stacking (P. 28 / I. 5.32 PWD SR - 2013-14)	Sqm							
	5th Cross LHS Hegdenagara		2	230.00		1.65	759.00		
	6th Crosss Road LHS		2	230.00		1.65	759.00		
	7th Cross Road LHS		2	230.00		1.65	759.00		
	6th Crosss Road RHS		2	59.00		1.65	194.70		
							2471.70	50.11	123862.00
	Basic Rate		46.40						
	Area Weightage @8%		3.71						
	Total		50.11						
3	Refixing stone slabs of drains and pointing in CM (1:3) (P. 28 / I. 5.33 PWD SR - 2013-14)	Sqm							
						Vide Item No.2	1977.36	70.04	138490.00
	Basic Rate		64.85						
	Area Weightage @ 8%		5.19						

Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total		70.04						
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick Page No. 28 / Item No. 5.31.1/ PWD SR 2013-14								
		Sqm							
	Missing Length		2	40.00		1.65	132.00		
	Missing Length		2	45.00		1.65	148.50		
	Missing Length		2	40.00		1.65	132.00		
	Missing Length		2	40.00		1.65	132.00		
							544.50	343.44	187003.00
	Basic Rate		318.00						
	Area Weightage @ 8%		25.44						
	Total		343.44						
5	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 175 / Item No. 21.3 / PWD SR 2013-14								
		Sqm							
	5th Cross LHS Hegdenagara		1	230.00	5.50		1265.00		
	6th Crosss Road LHS		1	230.00	5.50		1265.00		
	7th Cross Road LHS		1	230.00	5.50		1265.00		
	6th Crosss Road RHS		1	59.00	5.50		324.50		
							4119.50	72.79	299867.00
	Basic Rate		67.40						
	Area Weightage @ 8%		5.39						
	Total		72.79						
6	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications (P. 170 / I. 20.18) PWD SR - 2013-14.								
		Cum							

Sl. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Road Cutting Portion		1	230.00	0.60	0.20	27.60		
	5th Cross LHS Hegdenagara		1	230.00	0.60	0.20	27.60		
	6th Crosss Road LHS		1	230.00	0.60	0.20	27.60		
	7th Cross Road LHS		1	59.00	0.60	0.20	7.08		
	6th Crosss Road RHS								
	Road Surface		1	230.00	5.50	0.20	253.00		
	5th Cross LHS Hegdenagara		1	230.00	5.50	0.20	253.00		
	6th Crosss Road LHS		1	230.00	5.50	0.20	253.00		
	7th Cross Road LHS		1	59.00	5.50	0.20	64.90		
	6th Crosss Road RHS								
							913.78	1121.04	1024384.00

Basic Rate 1038.00

Area Weightage @ 8% 83.04

Total 1121.04

- 7 KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 (P.175 / I.21.1) PWDSR 2013-14

Sqm

5th Cross LHS Hegdenagara	1	230.00	5.50	1265.00		
6th Crosss Road LHS	1	230.00	5.50	1265.00		
7th Cross Road LHS	1	230.00	5.50	1265.00		
6th Crosss Road RHS	1	59.00	5.50	324.50		
				4119.50	10.53	43378.00

Basic Rate 9.75

Area Weightage @ 8% 0.78

Total 10.53

- 8 KSRRB 500-5: providing and applying primer coat from 12.2 to 14.6kg per 10 sqm for surfaces of high porosity over prepared surface of granular base with cut back M.C.-70 or any other bitumen mixed with diesel at 13 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 175 / Item No. 21.5 / PWD SR 2013-14

Sqm

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							Qty Vide Item No. 6	4119.50	
								4119.50	585274.00
	Basic Rate	131.55							
	Area Weightage @ 8%	10.52							
	Total	142.07							
9	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications With 60/70 grade bitumen using 40-60 HMP, No. 178 / Item No. 21.20.4 / PWD SR 2013-14.								
		Cum							
	5th Cross LHS Hegdenagara		1	230.00	5.50	0.025	31.63		
	6th Cross Road LHS		1	230.00	5.50	0.025	31.63		
	7th Cross Road LHS		1	230.00	5.50	0.025	31.63		
	6th Cross Road RHS		1	59.00	5.50	0.025	8.11		
							102.99	9981.36	1027955.00
	Basic Rate	9242.00							
	Area Weightage @ 8%	739.36							
	Total	9981.36							
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123)								
		Cum							
							Vide Item No. 1	853.86	62080.00
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	72.71							
	Sub Total								3569755.00

S. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
2	KRIDL Service Charges and Applicable Taxes @ 11%								392673.00
3	For Third Party QC Charges @ 1%								35698.00
4	Miscellaneous and other Charges	L/S							1874.00
								Total	4000000.00

(Rs. Fourty Lakhs Only)

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per P.W.D S.R of 2013-14.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

[Signature]
 Assistant Executive Engineer
 Byatarayanapura Sub-division
 KRIDL BBMP, Bangalore
 Assistant Engineer

Technical Manager
 KRIDL
[Signature]
 Assistant Executive Engineer
 Bruhat Bangalore Mahanagara Palike
 Byatarayanapura Sub Division

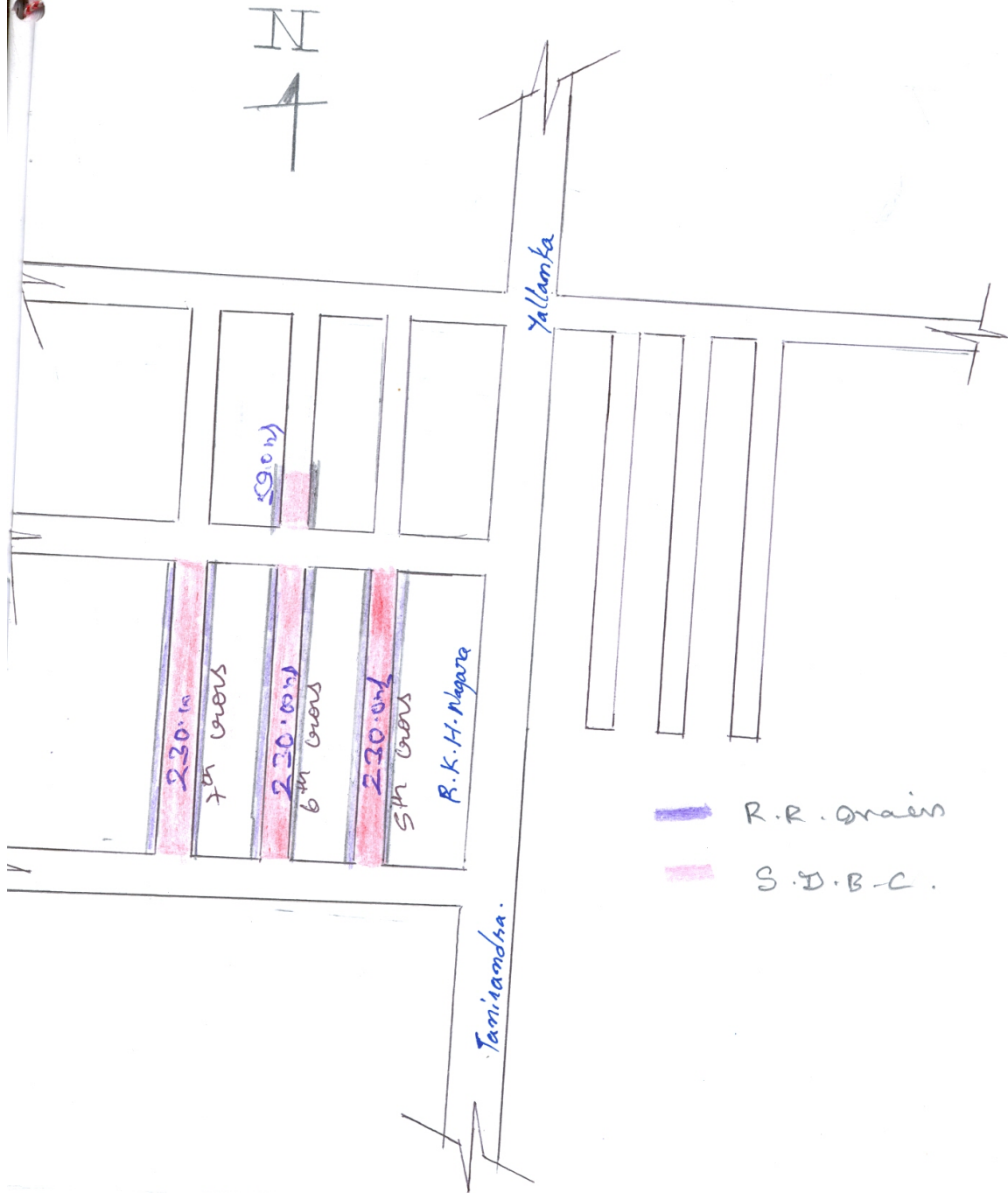
[Signature]
 Executive Engineer
 Bruhat Bangalore Mahanagara Palike
 Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR
 Rs. 40.00 lakh
 Twenty five lakh only
 110 villages Grams.
 Dt. 23-12-2013 Rs. 40.00 lakh
 Addl Commr (Z) AS/PR/518/2013-14
 dated 23-12-2013

[Signature]
 Addl Commissioner
 (Yelahanka Zone)
 BBMP, Bengaluru-92

Technical Sanction for Rs. 40.00 lakh
CRS only
 is sanctioned for Rs. 2654
 registered at DT No. 127/12-13 Subject
 to Conditions contained in enclosed memo
 No. 127/12-13 Dt. 23/12/2013
 AE/TE TA SE (BFP)
 Chief Engineer
 Yelahanka Zone
 Bruhat Bangalore Mahanagara
 Bangalore 92

Improvements to Roads and Drains at Hegdenagara Cross Roads in 1 and 2 Main Roads in Ward No. 06 in Hegdenagara Village Limits.



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 ಜ್ಯೋತಿರಾಯನಪುರ ಉಪ ವಿಭಾಗ
 ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24

[Signature]
 ಸಹಾಯಕ ಅಭಿಯಂತರರು
 ಪ್ರಿ.ಜಿ.ವಿ.ಸಿ. ಜ್ಯೋತಿರಾಯನಪುರ ಉಪ ವಿಭಾಗ